**EXHIBIT 300**                                          **UII 429-000001014**

# Exhibit 300: Capital Asset Summary

## Part I: Summary Information And Justification (All Capital Assets)

### Section A: Overview & Summary Information

**Date Investment First Submitted:** 2011-09-14
**Date of Last Change to Activities:** 2012-07-23
**Investment Auto Submission Date:** 2012-02-16
**Date of Last Investment Detail Update:**  2012-02-16
**Date of Last Exhibit 300A Update:**  2012-02-16
**Date of Last Revision:**  2012-07-23

**Agency:** 429 - Nuclear Regulatory Commission        **Bureau:** 00 - Agency-Wide Activity

**Investment Part Code:**  01

**Investment Category:**  00 - Agency Investments

**1. Name of this Investment:** Business Application System Support (BASS)

**2. Unique Investment Identifier (UII):** 429-000001014

### Section B: Investment Detail

1.  **Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment.  Include an explanation of any dependencies between this investment and other investments.**

    The NRC Business Application System Support (BASS) Investment provides a common platform for the operations and maintenance of several NRC applications, including: Reactor Program System (RPS), a work planning and staff resource application that provides the Office of Nuclear Reactor Regulation (NRR), the Office of New Reactors (NRO) and the Regional staff with power reactor inspection and work planning, scheduling, and reporting capabilities; Operator License Tracking System (OLTS), which assigns 55 docket numbers to each applicant and maintains a historical record for each applicant once that docket number is assigned even if no license is ever issued; General License Tracking System (GLTS), an annual registration system for general licensees to increase control and accountability of generally licensed devices and to prevent them from becoming orphan sources; Case Management Systems Web (CMSW) which consists of web-based applications accessible only through the NRC Intranet (i.e. Enforcement Action Tracking System, Allegation Management System, and Office of Investigation Management Information System); Public Meeting Notice System (PMNS) allows the Office of Chief Information Officer (OCIO) Administrative staff to enter new/updated meeting information, query public meeting information, report on public meeting information, and update validation tables and user logon information; and Voyager integrated library system (ILS) used for all daily functions in the NRC Technical Library. The ILS is a COTS software package that is the backbone of the

Technical Library's vital operations with the following subsystems: acquisitions and funds management, cataloging, circulation, series control, and an online public access catalog.

2. **How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.**

   BASS is an internal agency system and the primary beneficiaries include the agency regulatory staff. Because BASS provides a platform for many mission critial applications, it is critical to the agency safety mission of ensuring that the public is adequately protected. The overall beneficiaries include a wide range of external stakeholders (licensees, Federal partners, States, local governments, public).BASS is required to maintain a core of IT applications and support services. If this investment is not funded, NRC will be unable to maintain this robust and secure element of the NRC IT infrastructure and critical applications. This would have a profoundly negative impact on the NRC ability to achieve its core mission objectives.

3. **Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.**

   N/A - This is the first year of this investment.

4. **Provide a list of planned accomplishments for current year (CY) and budget year (BY).**

   Background: To meet the Nuclear Regulatory Commission s business requirements, NRC converted the in-house BASS UNIX/Sybase platform and implemented a modern architecure with web and application server tiers. The upgrade affected a number of agency applications using PowerBuilder and Sybase technologies. The new architecture utilizes the IBM Rational Enterprise Suite and Rational Jazz Platform (Team Concert, Quality Manager, Requirements Composer, Functional Tester, Performance Tester). This will allow for taking development out of the production environment and performing it in a centralized development environment. In FY2012, NRC will implement a new long-term contract for the Maintenance Operations and Modernization (MOM) support of NRC IT Investments. MOM will be a long-term Indefinite Delivery Indefinite Quantity (IDIQ) contract, divided into four broad Functional Areas (FA). BASS operations support will move under this contract via a Task Order under FA2, "M&O of Legacy Systems." What this will accomplish for BASS includes: Continuous maintenance and operational Information Technology (IT) support services for current and future NRC applications; modernization support services while replacing legacy technologies with secure, innovative, enterprise-wide IT solutions; focus on both enterprise and service level requirements for IT services; long-term reduction in operations and maintenance costs.   Also in FY2012, the development and test environments currently resident on BASS will move to a new Central Development Environment (CDE), thereby creating a platform for the development and modernization of NRC applications removed from the BASS production environment. The CDE will simulate the NRC Production Environment utilizing the IBM Rational Enterprise Suite and Rational Jazz Platform (Team Concert, Quality Manager, Requirements Composer, Functional Tester, Performance Tester).

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5.  **Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment.  An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.**

2011-09-01

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**Section C: Summary of Funding (Budget Authority for Capital Assets)**

**1.**

| Table I.C.1 Summary of Funding | | | | |
|---|---|---|---|---|
| | PY-1 & Prior | PY 2011 | CY 2012 | BY 2013 |
| Planning Costs: | $0.0 | $0.0 | $0.0 | $0.0 |
| DME (Excluding Planning) Costs: | $0.0 | $0.0 | $0.0 | $0.0 |
| DME (Including Planning) Govt. FTEs: | $0.0 | $0.0 | $0.0 | $0.0 |
| Sub-Total DME (Including Govt. FTE): | 0 | 0 | 0 | 0 |
| O & M Costs: | $0.0 | $0.0 | $2.9 | $3.0 |
| O & M Govt. FTEs: | $0.0 | $0.0 | $1.5 | $1.5 |
| Sub-Total O & M Costs (Including Govt. FTE): | 0 | 0 | $4.4 | $4.5 |
| Total Cost (Including Govt. FTE): | 0 | 0 | $4.4 | $4.5 |
| Total Govt. FTE costs: | 0 | 0 | $1.5 | $1.5 |
| # of FTE rep by costs: | 0 | 0 | 11 | 10 |

| | | | | |
|---|---|---|---|---|
| Total change from prior year final President's Budget ($) | | $0.0 | $4.5 | |
| Total change from prior year final President's Budget (%) | | 0.00% | 0.00% | |

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**2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:**

First-time submission.

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**Section D: Acquisition/Contract Strategy (All Capital Assets)**

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | **Table I.D.1 Contracts and Acquisition Strategy** | | | | | | | |
| Contract Type | EVM Required | Contracting Agency ID | Procurement Instrument Identifier (PIID) | Indefinite Delivery Vehicle (IDV) Reference ID | IDV Agency ID | Solicitation ID | Ultimate Contract Value ($M) | Type | PBSA ? | Effective Date | Actual or Expected End Date |
| Awarded | 3100 | NRCHQ11C330 059 | | | | | | | | | |
| Awarded | 3100 | DR3306317 | GS35F0229K | 4730 | | | | | | | |
| Awarded | 3100 | NRCDR331032 4 | GS35F0125S | 4730 | | | | | | | |

## 2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:

The contract is for day to day operation and maintenance support for which EVM data is not required.

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## Exhibit 300B: Performance Measurement Report

### Section A: General Information

**Date of Last Change to Activities:** 2012-07-23

### Section B: Project Execution Data

| Table II.B.1 Projects | | | | | |
| --- | --- | --- | --- | --- | --- |
| Project ID | Project Name | Project Description | Project Start Date | Project Completion Date | Project Lifecycle Cost ($M) |
| 1 | Reactor Program System (RPS) Maintenance Releases | RPS maintenance releases occur every three months and are an aggregate of required software fixes, minor software upgrades, and user interfaces. | | | |
| 2 | BASS Contingency Test | BASS Contingency Test performed yearly to verify that the BASS contingency plan provides sufficient information to enable recovery of all the applications (RPS, OLTS, GLTS, CMSW, PMNS, ILS) should a contingency occur. | | | |
| 3 | BASS Continuous Monitoring | Continuous monitoring program is to determine if the security controls in the information system continue to be effective over time in light of the inevitable changes that occur in the system as well as the environment in which the system operates. | | | |
| 4 | Reactor Program System (RPS) Maintenance Release FY11 | RPS maintenance release to close out FY11 Q4. | | | |

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## Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

| Project ID | Name | Total Cost of Project Activities ($M) | End Point Schedule Variance (in days) | End Point Schedule Variance (%) | Cost Variance ($M ) | Cost Variance (%) | Total Planned Cost ($M) | Count of Activities |
|---|---|---|---|---|---|---|---|---|
| 1 | Reactor Program System (RPS) Maintenance Releases | | | | | | | |
| 2 | BASS Contingency Test | | | | | | | |
| 3 | BASS Continuous Monitoring | | | | | | | |
| 4 | Reactor Program System (RPS) Maintenance Release FY11 | | | | | | | |

## Key Deliverables

| Project Name | Activity Name | Description | Planned Completion Date | Projected Completion Date | Actual Completion Date | Duration (in days) | Schedule Variance (in days ) | Schedule Variance (%) |
|---|---|---|---|---|---|---|---|---|
| 3 | BASS Continuous Monitoring | Quarterly 1 BASS Continuous Monitoring | 2011-12-30 | 2011-12-30 | 2011-12-30 | 88 | 0 | 0.00% |
| 3 | BASS Continuous Monitoring | Quarterly 2 BASS Continuous Monitoring | 2012-03-30 | 2012-03-30 | 2012-03-30 | 88 | 0 | 0.00% |
| 2 | BASS Contingency Test | Yearly contingency test | 2012-06-29 | 2012-06-29 | | 120 | -63 | -52.50% |
| 3 | BASS Continuous Monitoring | Quarterly 3 BASS Continuous Monitoring | 2012-06-29 | 2012-06-29 | 2012-06-29 | 88 | 0 | 0.00% |

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**Section C: Operational Data**

| Table II.C.1 Performance Metrics | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Metric Description | Unit of Measure | FEA Performance Measurement Category Mapping | Measurement Condition | Baseline | Target for PY | Actual for PY | Target for CY | Reporting Frequency |
| Completeness and timeliness of BASS/Application modifications to align with new regulatory requirements. | Percent | Mission and Business Results - Support Delivery of Services | Over target | 95.000000 | 0.000000 | 0.000000 | 95.000000 | Quarterly |
| Availability of all systems' applications during normal working hours (7:30 AM - 5:00 PM EST) to provide access to the data. | Percent | Technology - Reliability and Availability | Over target | 95.000000 | 0.000000 | 0.000000 | 97.000000 | Monthly |
| Reliability of all system-level backups and data backups to provide backup production files for 60 days. | Percent | Technology - Reliability and Availability | Over target | 4.000000 | 0.000000 | 0.000000 | 98.000000 | Semi-Annual |
| Applications Maintenance Service Effectiveness - Percent of requests that are completed by the target date. | Percent | Customer Results - Timeliness and Responsiveness | Over target | 80.000000 | 97.000000 | 95.000000 | 91.000000 | Quarterly |
| Availability of all systems' database infrastructures during normal working hours (7:30 AM - 5:00 PM EST) to provide access to the data. | Percent | Technology - Reliability and Availability | Over target | 95.000000 | 0.000000 | 0.000000 | 97.000000 | Monthly |